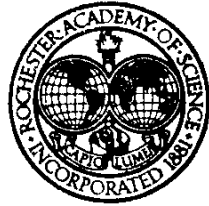


# ROCHESTER ACADEMY OF SCIENCE

ROCHESTER, N. Y.



September 12, 2016

## ANNOUNCEMENT OF STUDENT SCIENCE RESEARCH GRANTS

### REQUEST FOR PROPOSALS

FOR 2016-2017 ACADEMIC YEAR

\$500 for supplies plus \$50 unrestricted award

The Rochester Academy of Science will award grants for research supplies and travel related directly to research projects performed by undergraduate college students.

One grant of up to \$500 to the student's college plus an unrestricted award of \$50 to the student will be awarded to the top proposal. Partial funding of at least \$100 will be provided to four additional proposals. Funds for these grants come from the Katherine H. Jensen Memorial Research Grant Fund and from the Thomas F. & Annie A. and Grace Murray Memorial Research Grant Funds. Applications for these grants will be judged on their merit as scientific research and for clear, concise description of the project.

Proposals in any area of scientific study are encouraged. It is the general philosophy of the reviewers, however, to favor funding of research in areas similar to those of the members of the Rochester Academy of Science. These interests include all aspects of natural history, including astronomy, anthropology, botany, ecology, mycology, entomology, geology, mineralogy, ornithology, paleontology. Information about the Rochester Academy of Science can be found at <http://www.rasny.org>

These grants are intended to help students who are working toward undergraduate degrees to purchase expendable materials for use in their projects, not for laboratory equipment. Each research grant will be issued to the science department of the student's school. It is expected that the student's school will provide use of appropriate equipment and laboratory space. The research project may be in progress but should be designed to be completed within one year. The application must have the written endorsement of a sponsoring faculty member. The sponsor is also expected to see that the student completes the project if the grant is awarded. We recognize that the faculty sponsor may have a significant role in guiding and developing the research project. However, the undergraduate student must write the grant proposal submitted to the Grants Committee for review.

**Specific directions for applications are on the next page.**

## APPLICATION INSTRUCTIONS:

**All applications must be written by the student and include the following information:**

The proposal should not exceed four pages; references are not included in the four-page limit.

### PAGE ONE

1. Student's name, home address and phone number, school address, phone number and **email address**. Unless otherwise specified, all correspondence will be sent to the student's school address.
2. Sponsoring faculty member's name, title and school (with a complete address, phone number, and email). The application should have the written endorsement of a sponsoring faculty member. This endorsement should be a brief statement confirming the faculty member's commitment to oversee the project and that the proposal has been written by the student. The faculty sponsor should email an endorsement statement directly to: whallah3@naz.edu.

DO NOT reveal student or institution identity beyond page one of the project proposal.

### PAGE TWO

1. The project title.
2. An abstract of the objectives and procedures.
3. Budget. Include a list of materials and supplies that will have to be purchased and their cost. All grants are intended for the purchase of expendable materials for use in the projects. It is expected that the student's school will provide use of appropriate equipment and laboratory space. Travel expenses included in the budget must be necessary for the collection of data. Include a total for expenses.

### PAGES THREE & FOUR.

1. A clear, concise description/narrative of the research involved. This should include a) background and rationale (and/or) hypothesis, b) procedures or methods, and c) expected outcomes. The proposals will be evaluated by both specialists and general scientists, therefore the narrative should be understandable yet specific. The use of specialized vocabulary or abbreviations should be clearly defined. The generally accepted steps of the experimental method should be evident and in order.
2. Please include starting date, progress to date (if any), and an estimated date of completion.

The project will be evaluated on its scientific merit, clarity of presentation, appropriateness as an undergraduate activity, and competence of the (student) researcher as evidenced by his/her narrative.

REFERENCES should be isolated on the final page and follow the CBE or APA format. References should be limited to those necessary to support the rationale and expectations of the research. Publications by the faculty sponsor may be used.

### **APPLICATION SUBMISSION DIRECTIONS:**

In order for us to make these awards by the beginning of the Spring 2017 semester, applications should be sent by email no later than **December 16, 2016**

1. Email the proposal as an attached Word document or pdf.
2. Have your faculty advisor send a separate email endorsing this proposal (see above).

**Questions?** Contact Dr. William Hallahan. Email: whallah3@naz.edu.

Biology Department, Nazareth College, 4245 East Avenue, Rochester, NY 14618

You will receive confirmation of receipt of your proposal and updates on the progress of the review via email. Both students and their faculty sponsors will receive letters when all award decisions have been completed. **Upon receipt of an award and completion of the project, a written research report should be sent to Dr. William Hallahan by May 22, 2017.** This report should be sent by email as an attached Word document or pdf.

**If you did not receive a copy of this announcement directly and would like to be added to the email distribution list; please send (email) your name, academic department, institution, and email address to whallah3@naz.edu.**